BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 03 Package Y -03 of Yelahanka Zone.

Name of Contractror of nature of Agency:-M/S. Nanjundeshwara Electrical

Job Code No:-003-22-000023

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000003 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: **Page No:**

Bill NO :- 7th RA Bill **Bill Period : 01-02-2023 to 28-02-2023 (for 1 months)**

Sl. No.		Unit	Period in Month	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	20	57.12	1142.40
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	3637	84.95	308963.15
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	202	93.17	18820.34

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5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	0	73.33	0.00
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	152	95.61	14532.7
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	888	114.80	101942.4
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	54	131.29	7089.66
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	245	770.00	188650.0
	Address	**Qty**				
	Thirumala Dhaba to MS Palya	135				

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	Dio Marvel Layout	75						
	Vishwa Nagara	20						
	4th Phase	15						
	Total	**245**						
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.			Each	-	30	4530.00	135900.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm			Each	-	30	2054.00	61620.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm			Mtr	-	243	150.00	36450.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm			Mtr	-	243	30.00	7290.00
	Pole Number	**Address**	**Qty**					
	SNE/03/Y4/07/00/01	4th Phase	1					
	SNE/03/Y4/02/00/05	4th Phase	1					
	SNE/03/Y4/00/14/06	4th Phase	1					
	SNE/03/Y4/00/13/04	4th Phase	1					
	SNE/03/Y4/00/24/10	4th Phase	1					
	SNE/03/Y5/00/05/05	5th Phase 1st Main	1					
	SNE/03/Y5/00/06/05	5th Phase 1st Main	1					
	SNE/03/Y5/00/03/10	5th Phase 1st Main	1					
	SNE/03/Y5/00/04/05	5th Phase 1st Main	1					
	SNE/03/Y4/03/00/04	4th Phase 5th Main	1					
	SNE/03/Y4/02/00/04	4th Phase 5th Main	1					
	SNE/03/Y4/03/00/17	4th Phase 5th Main	1					
	SNE/03/Y4/00/03/04	4th Phase 5th Main	1					
	SNE/03/IA/01/00/01	4th Phase Industrial Area	1					
	SNE/03/IA/02/00/05	4th Phase Industrial Area	1					
	SNE/03/IA/05/00/05	4th Phase Industrial Area	2					
	SNE/03/AL/09/00/01	Attur Layout 10th Main	1					
	SNE/03/AL/04/00/01	Attur Layout 10th Main	1					
	SNE/03/AL/03/00/04	Attur Layout 10th Main	1					
	SNE/03/AL/03/00/10	Attur Layout 10th Main	1					
	SNE/03/AL/05/00/01	Attur Layout 10th Main	1					
	SNE/03/AL/06/00/01	Attur Layout 10th Main	1					

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	SNE/03/SN/00/04/01	Santhosh Nagara	1						
	SNE/03/SN/02/00/05	Santhosh Nagara	1						
	SNE/03/SN/00/06/01	Santhosh Nagara	1						
	SNE/03/SN/00/06/05	Santhosh Nagara	1						
	SNE/03/ML/00/05/01	Muneshwara Layout	1						
	SNE/03/ML/00/08/01	Muneshwara Layout	1						
	SNE/03/ML/00/09/03	Muneshwara Layout	1						
	Total		**30**						
	For Each MCCB Required 6.5 mtr LTUG Cable = 6.5 X 30 = 195 Mtr								
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Each	-	10	7200.00	72000.00	
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	10	4030.00	40300.00	
	Pole Number	**Address**	**Qty**						
	SNE/03/TC/Y5/03/L	5th Phase,Near SLV Hospital,5th Phase,Yelahanka New Town	1						
	SNE/03/TC08/Y4/01/L	1st Main Road,208 SFS ,Near SBI Bank,4th Phase,Yelahanka New Town	1						
	SNE/03/TC108/Y4/01/L	SFS 208,,4th Phase,Yelahanka New Town	1						
	SNE/03/TC318/TN/01/00/22/S	1st Main,Rajeev Gandhi Nagara	1						
	SNE/03/TC/AN/11/02/01/S	11th Main,2nd Cross,Ananthapura	1						
	SNE/03/TC/NL/10E/00/08/S	10th E Main Road,Nisarga Layoutr,Ananthapura	1						
	Thirumala Nagara	Near Maruthi Suzuki Showroom,Doddabettahalli Main Road	1						
	4th Phase	1st Main,Near Ball Bell School	1						
	Santhosh Nagara	1st Main,Santhosh Nagara	1						
	SNE/03/TC/AMS/02/S	2 Cross, AMS Layout	1						
	Total		**10**						
	For Each Contactor and Timer Required 6 mtr LTUG Cable = 6 X 10=60 Mtr								
	Total LTUG Cable=195+60=255 Mtr								
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		14	723.00	10122.00	
	Pole Number	**Address**	**Qty**						
	SNE/03/ML/00/12/05	Muneshwara Layout	1						
	SNE/03/ML/05/00/01	Muneshwara Layout	1						
	SNE/03/TN/00/01/04	Thirumala Nagara	1						
	SNE/03/TN/02/00/01	Thirumala Nagara	1						

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SNE/03/TN/00/06/01	Thirumala Nagara	1					
SNE/03/AMS/00/05/01	AMS Layout	1					
SNE/03/AMS/05/00/10	AMS Layout	1					
SNE/03/AMS/00/09/03	AMS Layout	1					
SNE/03/AMS/00/03/04	AMS Layout	1					
SNE/03/GRL/00/01/01	G Ramaiah Layout	1					
SNE/03/GRL/00/01/10	G Ramaiah Layout	1					
SNE/03/GRL/00/02/03	G Ramaiah Layout	1					
SNE/03/SMR/01/00/01	Sambhram Clg Main Road	1					
SNE/03/BN/00/05/04	Bharath Nagara	1					
Total		**14**					
TOTAL Rs							1004822.67
Add GST 12 % on item no 10 to 17							66279.84
TOTAL Rs							**1071102.51**
Fine imposed for non burning of street lights For the period of 01/02/2023 to 28/02/2023							4900.00
As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							9049.81
GRAND TOTAL							**1057152.70**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Assistant Executive Engineer (E)
BBMP, Bangalore